

## March 12, 2019 Council Meeting

The regular meeting of the Council of the City of Martinsville, Virginia was held on March 12, 2019 in Council Chambers, Municipal Building, at 7:30 PM with Mayor Kathy Lawson presiding. Other Council Members present included Jennifer Bowles, Chad Martin, Jim Woods and Danny Turner. Staff present included City Manager Leon Towarnicki, City Attorney Eric Monday, Assistant City Manager Wayne Knox, Clerk of Council Karen Roberts, Police Chief Eddie Cassady and Finance Director Linda Conover.

Mayor Lawson called the meeting to order and advised Council would go into Closed Session beginning at 7:00 PM. In accordance with section 2.1-344 (A) Code of Virginia (1950, and as amended) and upon a motion by Council Member Turner, seconded by Council Member Bowles with the following 5-0 recorded vote: Mayor Lawson, aye; Council Member Woods, aye; Council Member Bowles, aye; Vice Mayor Martin, aye; and Council Member Turner, aye. Council convened in Closed Session to discuss the following matters: (A) Consultation with legal counsel and briefings by staff members, attorneys or consultants pertaining to actual or probable litigation, or other specific legal matters requiring the provision of legal advice by such counsel, as authorized by Subsection 7. At the conclusion of Closed Session, each returning member of Council certified that (1) only public business matters exempt from open meeting requirements were discussed in said Closed Session; and (2) only those business matters identified in the motion convening the Closed Session were heard, discussed, or considered during the Session. Mayor Lawson explained that no action was taken out of Closed Session. A motion was made by Council Member Bowles; seconded by Vice Mayor Martin, with the following 5-0 recorded vote in favor to return to Open Session: Vice Mayor Martin, aye; Council Member Bowles, aye; Mayor Lawson, aye; Council Member Woods, aye; and Council Member Turner, aye.

Mayor Lawson called the meeting to order. Following the Pledge to the American Flag and invocation by Council Member Bowles, Lawson welcomed everyone to the meeting.

Consider reading and presenting a proclamation recognizing March 2019 as Multiple Sclerosis Awareness Month – Mayor Lawson read the proclamation, which was presented, to Angie Feazelle, local representative of the National Multiple Sclerosis Society. Feazelle read a statement from the MS Society office in Roanoke, stating that they are receiving an increased amount of calls from the Martinsville area requesting assistance.



## **Proclamation**

### **MULTIPLE SCLEROSIS AWARENESS MONTH**

**WHEREAS**, multiple sclerosis (MS) is a chronic, often disabling disease of the central nervous system that affects approximately 400,000 people in the United States; and

**WHEREAS**, it typically strikes young adults between the ages of 20 and 40 while in the prime of life. Women are more likely to have multiple sclerosis by about 31. Symptoms can begin as simply as tingling and progress to near paralysis; and

**WHEREAS**, March of 2019 is Multiple Sclerosis Education and Awareness Month. It is important for better education and awareness of multiple sclerosis so that it's victims can lead more productive and satisfying lives to benefit themselves, their caregivers and families, and the overall community; and

**WHEREAS**, multiple sclerosis is a disease that not only affects the person with the condition, but also greatly impacts family, friends, and the community; and

**WHEREAS**, the exact cause of multiple sclerosis is still unknown, and there is no known cure; and

**WHEREAS**, the symptoms of MS may be mild such as numbness in the limbs, or severe, such as paralysis or loss of vision; and

**WHEREAS**, every hour of every day, someone is newly diagnosed with multiple sclerosis; and

**WHEREAS**, the National Multiple Sclerosis Alliance of Virginia (MSAV) provides programs and services for anyone in Virginia whose life has been affected by MS; and

**WHEREAS**, the Blue Ridge Chapter of the National Multiple Sclerosis Society provides programs and services to address the challenges of everyone affected by MS;

**NOW, THEREFORE**, I, Kathy Lawson, Mayor, do hereby proclaim **March, 2019**, as **MULTIPLE SCLEROSIS EDUCATION AND AWARENESS MONTH** in the City of Martinsville VA and I call this observance to the attention of all our citizens.

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Kathy Lawson, Mayor

### Read a Proclamation acknowledging March 2019 as Women's History Month – Vice Mayor

Martin read the proclamation. Martin presented the proclamation to Mayor Lawson and Council Member Bowles and asked that all women in attendance stand and be recognized.



## **PROCLAMATION**

### **RECOGNIZING MARCH 2019 AS WOMEN'S HISTORY MONTH IN THE CITY OF MARTINSVILLE**

**WHEREAS**, American women of every race, class, and ethnic background have made historic contributions to the growth and strength of our Nation in countless recorded and unrecorded ways; and

**WHEREAS**, American women have played and continue to play critical economic, cultural, and social role in every sphere of the life of the Nation by constituting a significant portion of the labor force working inside and outside of the home; and

**WHEREAS**, American women have played a unique role throughout the history of the Nation by providing the majority of the volunteer labor force of the Nation; and

**WHEREAS**, American women were particularly important in the establishment of early charitable, philanthropic, and cultural institutions in our Nation; and

**WHEREAS**, American women of every race, class, and ethnic background served as early leaders in the forefront of every major progressive social change movement; and

**WHEREAS**, American women have served our country courageously in the military; and

**WHEREAS**, American women have been leaders, not only in securing their own rights of suffrage and equal opportunity, but also in the abolitionist movement, the emancipation movement, the industrial labor movement, the civil rights movement, and other movements, especially the peace movement, which create a more fair and just society for all; and

**WHEREAS**, Over time, Martinsville women have served in a variety of key leadership roles including Council Members Elizabeth Haskell, Eliza Severt, Kathy Lawson, Kim Adkins, Sharon Brooks Hodge, and Jennifer Bowles; and

**WHEREAS**, Despite these contributions, the role of American women in history has been consistently overlooked and undervalued, in the literature, teaching and study of American history;

**NOW, THEREFORE**, I, Kathy Lawson, Mayor, and members of Martinsville City Council do hereby proclaim the month of March 2019 as Women's History Month in the City of Martinsville and we urge all citizens to join in celebrating the contributions women have made to our society.

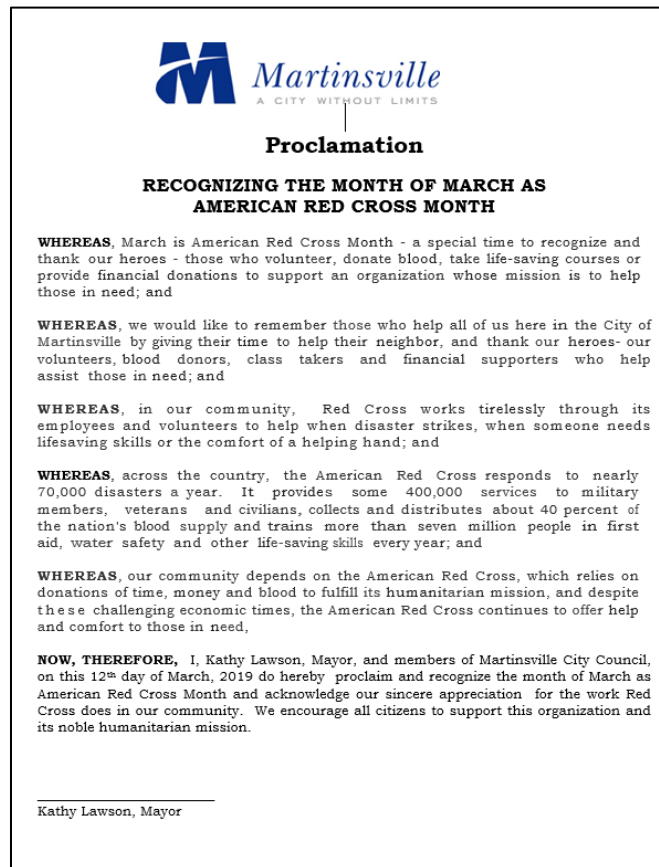
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Kathy Lawson, Mayor

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Read and present a proclamation acknowledging the month of March as Red Cross Month

– Council Member Woods read the proclamation, which was presented to Ralph Lawson, representative of the local Red Cross Chapter. Lawson thanked Council for the recognition and stated that over half of their workforce are volunteer so without donations, they would not be able to offer services. Lawson encouraged residents to volunteer and to donate blood, both services are needed. The Red Cross partners with the Martinsville fire department for smoke alarm installation and encouraged residents to test their existing smoke alarms. Vice Mayor Martin thanked Kathy and Ralph Lawson for putting the flags out during holidays.



Consider approval of Ordinance 2019-2 on second reading to designate 201 and 209

Aaron Street as a redevelopment zone – Wayne Knox of the Community Development department reminded Council of the presentation offered by Landmark Property Management Company previously and summarized the request for designating the properties on Aaron Street as a redevelopment zone. Council Member Bowles made a motion to approve the ordinance as presented; Vice Mayor Martin seconded the motion with the following roll call vote: Council Member Bowles, aye; Council Member Woods, aye; Council Member Turner, aye; Vice Mayor Martin, aye; and Mayor Lawson, aye.

<p style="text-align: center;">ORDINANCE 2019-2</p> <p style="text-align: center;">Establishing Certain Properties in the City of Martinsville as a Revitalization Zone</p> <p><b>BE IT ORDAINED</b> by the Council of the City of Martinsville, Virginia, in regular session held on March 12, 2019 that in accordance with §15.2-1129.2 "Creation of Local Economic Revitalization Zones" of the Code of Virginia, properties located on the northeast side of Aaron Street between Broad Street and Stading Avenue and specifically designated as 201 and 209 Aaron Street consisting of approximately 6.4 acres, are hereby collectively designated as a revitalization zone. The properties are further identified as Tax Map Numbers 42(18)00/01A-R and 43(02)A/01A-S, in the City of Martinsville.</p> <p style="text-align: center;">*****</p> <p>Attest:</p> <p>Karen B. Roberts, Clerk of Council</p> <p>Date Adopted _____ Date Effective _____</p>	<p>§ 15.2-1129.2. Creation of local economic revitalization zones.</p> <p>A. Any city may establish by ordinance one or more economic revitalization zones for the purpose of providing incentives to private entities to purchase real property and interests in real property to assemble parcels suitable for economic development. Each city establishing an economic revitalization zone may grant incentives and provide regulatory flexibility. Such zones shall be reasonably compact, shall not encompass the entire city, and shall constitute one or more tax parcels not commonly owned. Properties that are acquired through the use of eminent domain shall not be eligible for the incentives and regulatory flexibility provided by the ordinance.</p> <p>B. The incentives may include, but not be limited to: (i) reduction of permit fees, (ii) reduction of user fees, (iii) reduction of any type of gross receipts tax, and (iv) waiver of tax liens to facilitate the sale of property.</p> <p>C. Incentives established pursuant to this section may extend for a period of up to 10 years from the date of initial establishment of the economic revitalization zone; however, the extent and duration of any incentive shall conform to the requirements of applicable federal and state law.</p> <p>D. The regulatory flexibility provided in an economic revitalization zone may include (i) special zoning for the district, (ii) the use of a special permit process, (iii) exemption from certain specified ordinances, excluding ordinances or provisions of ordinances adopted pursuant to the requirements of the Chesapeake Bay Preservation Act (§ 62.1-44.15:67 et seq.), the Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq.), and the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq.), and (iv) any other incentives adopted by ordinance, which shall be binding upon the locality for a period of up to 10 years.</p> <p>E. The governing body may establish a service district for the provision of additional public services pursuant to Chapter 24 (§ 15.2-2400 et seq.) of Title 15.2.</p> <p>F. This section shall not authorize any local government powers that are not expressly granted herein.</p> <p>G. Prior to adopting or amending any ordinance pursuant to this section, a locality shall provide for notice and public hearing in accordance with subsection A of § 15.2-2204. 2007, c. 262; 2013, cc. 756, 793.</p>
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Conduct a public hearing regarding a planned Community Development Block Grant application for the Pine Hall Road area – Janet Jonas presented a PowerPoint updating Council on the location and need of the Pine Hall Block Grant project. She explained the next steps towards applying for the grant and the preliminary projected budget. They hope to submit the application to DHCD by March 29. Knox explained that many residents did not participate in the surveys because they do not feel the project is legitimate. Mayor Lawson opened the floor for the public hearing. No one approached the podium so the public hearing was closed. Council Member Bowles made a motion to approve submission of the application to DHCD for a Community Development Block Grant for the Pine Hall Road project area; Vice Mayor Martin seconded the motion with all Council Members voting in favor.

Hear a presentation from Dewberry regarding a project at Beaver Creek Reservoir, and take certain actions necessary to facilitate possible funding – City Manager Towarnicki explained the need to update and repair facilities and structures within the City including a project at Beaver Creek Reservoir and the need for repair and possible funding. Scott Ehrhardt and Leslie Barksdale of Dewberry presented a PowerPoint detailing two water improvement projects. The water tank on Summit View Drive needs repairs and better access, Eharhardt recommended alternatives and cost comparison. The Beaver Creek Reservoir Spillway currently has a conditional permit from the Department of Conservation and Recreation (DCR). The spillway was built in 1952 and the concrete floor and walls have eroded, causing a dangerous situation. Ehrhardt explained alternatives to repair the spillway

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concerns along with costs and financial considerations. Ehrhardt explained that if the spillway failed, it could cause a potential loss of life and absence of water source.



#### MEMORANDUM

Date: March 7, 2019  
To: Leon Towarnicki  
From: R. Scott Ehrhardt  
Subject: Request to Proceed with Funding Application for Two (2) Water Improvement Projects

#### Purpose:

It is the purpose of this memorandum to outline two projects that are believed to be eligible for low interest funding through the Virginia Department of Health State Revolving Loan Fund (VDHSRF). These two projects are as follows:

- Project No. 1: Replacement of 3,000 LF of 6" asbestos cement pipe in the Summit View Drive area
- Project No. 2: Rehabilitation of Beaver Creek Dam Spillway

Based on our review of possible funding sources, we have concluded that the most cost effective way to finance these projects is through the VDHSRF program. Applications are accepted annually and are due April 1. A request is being made to prepare and submit an application inclusive of both projects.

Should VDH determine both projects are eligible, the following milestones are anticipated:

Key Milestones	Start	Complete
SRF Application	3/13/2019	3/29/2019
Design	4/1/2019	1/1/2020
Construction - Beaver Creek Reservoir Spillway	3/15/2020	1/15/2021
Construction - Summit Waterline	4/15/2020	1/15/2020
Project Closeout and Loan Closure	2/15/2021	4/1/2021
First Payment Due	10/1/2021	

FINANCE SUMMARY	
Terms of Loan	Estimated Values
Total Financed Amount	\$2,364,900
Estimated Payments	Monthly = \$11,470
Interest Rate = 1.5%, 20 years	Annual = \$137,638
Estimated Payments	Monthly = \$9,421
Interest Rate = 2.5%, 30 years	Annual = \$113,043

A preliminary engineering report has been completed for both of these projects. However, to provide a more concise description of work being proposed, the following project summaries are provided:

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#### MEMORANDUM

#### PROJECT NO. 1: SUMMIT VIEW DRIVE WATERLINE REPLACEMENT

#### Background:

Currently within the Summit View Drive area, the City utilizes two water tanks for domestic use and fire suppression: Summit View Tank and Grandview Tank. Due to the deteriorating condition of the Summit View Tank, the cost to revitalize this tank, and the negative impact this tank is having on water quality, the City of Martinsville wishes to take this tank out of service and rely solely on Grandview Tank.

#### Alternatives Considered:

Improvements to the distribution system are necessary to maintain fire suppression and pressure capability that is equal to or better than what Summit Tank is currently providing. Three alternatives were evaluated to modify the distribution system accordingly. These alternatives and respective estimated cost are shown below:

Alternatives & Cost Comparison	
Alternative Description	Project Cost
Alternative No. 1 - New Fire Pump Station	\$679,200
Alternative No. 2 - Combination Fire/Booster Station	\$771,800
Alternative No. 3 - Upsize 6" Line from Grandview Tank to Summit View Road	\$496,300

#### Recommended Improvements:

Alternative #3 - Upsize 6" Line from Grandview Tank is not only the most cost effective alternative investigated, but also accomplishes the replacement of approximately 3,000 LF of 60+- year old asbestos cement pipe (AC). Due to the published service life expectancy of AC pipe being 50-70 years and problems already being encountered with this pipe in some other areas of the City, it is anticipated this pipe will soon have to be replaced with or without doing this as part of the Summit Tank abandonment efforts.

In conclusion, it is recommended that the City proceed with Alternative No. 3.

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#### MEMORANDUM

#### PROJECT NO. 2: REHABILITATION OF BEAVER CREEK DAM SPILLWAY

#### Background:

The City of Martinsville's sole potable water source is the Martinsville Reservoir, located adjacent to the north of Patrick Henry Community College and impounded by Beaver Creek Dam. Based on the as-built construction plans dated July 30, 1952, the earthen dam consists of clay core embankment built on natural soils and bedrock, a concrete chute spillway constructed in a cut section with an underdrain system, a stilling basin at the base of the spillway, and a tailwater apron. Since the original construction, there have been numerous attempts to grout in voids that have been developing beneath the spillway floor and walls.

The Department of Conservation and Recreation (DCR) issued a conditional operation and maintenance certificate in April 2018, requiring a Preliminary Engineering Report (PER) be completed with recommendations for the repair of the spillway structure as well as recommendation to reduce uncontrolled seepage that is responsible for the voids that are present beneath the spillway structure.

In response to this DCR requirement, Dewberry completed an extensive geotechnical and structural investigation, geotechnical analyses, and seepage modeling, and compiled these findings with an alternatives analysis in a PER to DCR in December 2018.

#### Summary of Field Investigation:

The results of the subsurface geotechnical exploration identified the following:

- Residual soils are comprised of coarse to fine sand with minor to moderate amounts of silt.
- Residual soils are typically encountered from the bottom of the spillway to depths varying from 7 to 17 ft. below grade, and were then underlain by granitic bedrock with a complex weathering profile.

The results of the concrete testing program generally indicated the following:

- The spillway concrete is generally of acceptable integrity, and the observed deficiencies are only present in localized areas.
- The undermining of the spillway was extensive, and voids were observed varying from 3 inches to 3.5 ft. deep under the spillway.
- Flowing water is present beneath the spillway floor.
- Areas of grout are present beneath the spillway, confirming previous efforts to address voids.

#### Alternatives Considered:

Following the completion of the field investigation, Dewberry performed engineering analyses to assess which alternatives would achieve rehabilitation of the dam while optimizing construction cost and anticipated design life. The alternatives considered are summarized as follows:

#### Alternative 1 - Surficial/Limited Improvements

This alternative consists of minor concrete repairs, cleaning and sealing of concrete spalls, cracks, and/or concrete defects in the spillway, grouting voids under the spillway floor, and other related surficial repairs. This alternative has the lowest associated cost, but has a minimal design life and does not address the underlying causes of the undermining problems, and therefore does not meet the purpose and need.

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#### MEMORANDUM

#### Alternative 2 - Structural/Geotechnical Improvements Only

This alternative consists of re-construction of the concrete cutoff wall, strengthening/restraining the spillway walls and floor to resist seepage forces, and replacement of heaved/damaged spillway floor/wall sections. This alternative will require significant design efforts and will incur substantial construction costs. Therefore, this alternative is anticipated to be financially infeasible.

#### Alternative 3 - Drainage/Hydraulic Modifications Only

This alternative consists of drainage improvements and permanent lowering of the reservoir level during normal operations. Drainage improvements would consist of new underdrain systems, rehabilitation of the existing underdrain system, and/or installation of permanent dewatering wells. This alternative addresses only the underlying problem and does not improve the condition of the existing features. Furthermore, during periods of drought a near full pool condition is needed to insure adequate storage is available to meet demand.

#### Alternative 4 - Hybrid Improvements

This alternative consists of a combination of the structural concrete repairs included in Alternative 2, and construction of a new underdrain system assessed in Alternative 3. This approach will address the underlying causes of the erosion and improve the structural integrity thereby extending the life of the spillway for possibly another 30-50 years.

#### Alternative 5 - Full Replacement

This alternative was reserved for comparison in the event that the alternatives noted above did not yield a cost effective and reliable solution. Based on the alternatives evaluated, a desirable alternative was identified that has an estimated cost that is less than half of that of a new spillway. Although this alternative meets the project purpose and need, full replacement is not cost effective.

#### Recommended Improvements:

Alternative 4 - Hybrid Improvements resulted in the most favorable solution for the City and is the recommended alternative. Improvements for this alternative consist of the following:

1. Expansion of the existing turn-down slab at the spillway crest to create a deeper, partial cutoff wall.
2. Installation of a new underdrain and wall drainage systems to alleviate seepage pressures on the spillway floor and walls.
3. Restoration of the eroded spillway concrete, replacement of heaved spillway floor panels (panels 11 & 12), and sealing of open construction/expansion joints in the spillway where soil erosion has been observed.
4. Subgrade grouting of the spillway floor and wall slabs to fill open voids and mitigate erosion of the subgrade soils.

This project will be phased to allow the City during Phase I to perform access improvements in-house while additional geotechnical analysis and design are completed. Funding applications will be prepared and submitted to finance the main construction project in Phase II. Associated cost is shown on the following pages.

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## MEMORANDUM

## Cost and Financial Considerations:

SUMMARY OF TOTAL PROJECT COST	
BEAVER CREEK SPILLWAY TOTAL (PHASE 1)	\$191,200
BEAVER CREEK SPILLWAY TOTAL (PHASE 2)	\$1,751,100
SUMMIT VIEW DRIVE WATERLINE REPLACEMENT	\$496,300
TOTAL FUNDED BY CITY (PHASE 1 – REF. BELOW)	(\$73,700)
<b>NET TO BE FUNDED BY VDH SRF</b>	<b>\$2,364,900</b>

BEAVER CREEK RESERVOIR SPILLWAY IMPROVEMENTS COST ESTIMATE				
Phase 1				
LI	Description	Unit	Qty	Total Price
General				
1	Access Improvements Across Stilling Pool	LS	1	\$4,500
2	Modify Siphon (City to contract 45 bend + weighting)	LS	1	\$15,000
	<b>Subtotal</b>			<b>\$19,500</b>
Construct Access Drive to Spillway Crest				
3	Access Drive Clearing and Tree Hauling	LS	1	\$15,000
4	Access Drive Grading and E&S Protection	LS	1	\$12,000
5	Stone for Access Drive	CY	220	\$17,600
	<b>Subtotal</b>			<b>\$44,600</b>
	Total			\$64,100
	Contingency			\$9,600
	<b>CONSTRUCTION TOTAL (City equipment and workforce)</b>			<b>\$73,700</b>
Design Phase Geotechnical Testing and Monitoring				
6	Ground Penetrating Radar	LS	1	\$30,000
7	Drilling Program (south side of spillway)	LS	1	\$35,000
8	Laboratory Testing	LS	1	\$10,000
	<b>SUBTOTAL</b>			<b>\$75,000</b>
	City Construction + Geotechnical			\$148,700
	Engineering Report Amendment			\$12,000
	VDH SRF Low interest Loan Application			\$6,000
	Access & Siphon Design Assistance, Geotech Coordination and Field Inspection			\$22,000
	Permitting			\$2,500
	<b>BEAVER CREEK SPILLWAY TOTAL (PHASE I)</b>			<b>\$191,200</b>
Phase 2				
LI	Description	Unit	Qty	Total Price
1	Mobilization O&P	LS	1	\$116,980
2	Access Improvements Across Stilling Pool	LS	1	\$4,500
Cutoff Wall				
3	Temporary Sheetpiling/Dewatering	LS	1	\$50,000
4	Concrete Cutoff Wall	LS	1	\$56,000

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## MEMORANDUM

Underdrain System				
5	Remove 2 Lower Floor Panels	EA	2	\$44,640
6	Remove Unsuitable Soils	LS	1	\$25,000
7	Install Suitable Soils	LS	1	\$30,000
8	Floor Underdrain System	LS	1	\$104,000
9	Concrete (2 lower floor panels)	CY	110	\$600
Miscellaneous Improvements				
10	Seepage Management South Wall	LS	1	\$60,000
11	Concrete Curbing Along Bottom of Walls (700 LF)	CY	40	\$600
12	Seal Cold Joints and Construction Joints	LS	1	\$20,000
13	Miscellaneous Grouting Under Floor & Walls	LS	1	\$550,000
14	Resurface Concrete Floor (Flow Area)	SF	14,000	\$7
15	Armament & Concrete Cap Above South Spillway Wall	LS	1	\$20,000
16	Post Construction Monitoring (i.e. wells, piezometers)	LS	1	\$25,000
	<b>Total</b>			<b>\$1,306,800</b>
	Contingency			\$196,000
	<b>Construction Total</b>			<b>\$1,502,800</b>
	Engineering Design			\$142,800
	Construction Administration and Inspection			\$52,300
	VDH Loan Administration			\$46,200
	Permitting			\$7,000
	<b>BEAVER CREEK SPILLWAY TOTAL (PHASE II)</b>			<b>\$1,751,100</b>

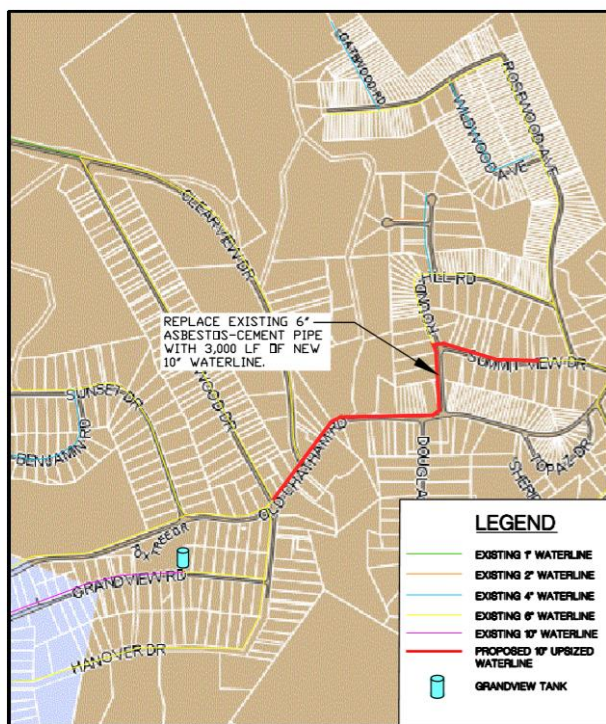
## Attachments:

- Figure 4.6-1 – Summit View Area Waterline Replacement
- Site Photos – Beaver Creek Reservoir Spillway
- Project Schedule

## cc:

Andy Lash, Water Resources Director, City of Martinsville

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Dewberry Engineers Inc.  
800 Piney Forest Road  
Martinsville, VA 22115  
Phone: 434-237-4487  
Fax: 434-237-4487DATE  
8-5-2015TITLE  
Alternative #3  
Replace and Upsize Piping from Grandview TankPROJ. NO.  
50070999PROJECT  
Summit View Tank PER  
Martinsville, VASHEET NO.  
FIGURE  
4.6-1

## MEMORANDUM



Spillway Crest



Spillway View from Bottom



F&amp;R Field Investigation



Concrete Cores from Top of Spillway



Windsor Probes on Spillway Wall



Cracked and Heaved Floor Panel and Wall

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MEMORANDUM

Task	2018												2019												2020												2021		
	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3					
Beaver Creek Condition Assessment																																							
Beaver Creek Field Investigation																																							
Preliminary Engineering Report																																							
Funding Application																																							
Design																																							
Notice of Loan Award																																							
Advertise and Bid - Both Projects																																							
Award Construction Contracts																																							
Beaver Creek Spillway Construction																																							
Summit View Waterline Construction																																							
Project Closeout and Loan Closure																																							
First Payment Due (10/1/2021)																																							



## Funding Application for Two Water Improvement Projects

March 12, 2019

## Proposed Water Improvement Projects

- Project No. 1: Replacement of 3,000 LF of 6" asbestos cement pipe in the Summit View Drive area
- Project No. 2: Rehabilitation of Beaver Creek Dam Spillway

## Summit View Drive Distribution Improvements



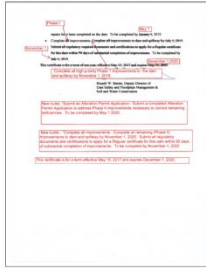
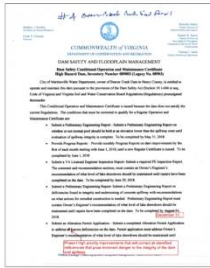
## Summit View Drive

### Alternatives & Cost Comparison

Alternative Description	Project Cost
Alternative No. 1 – New Fire Pump Station	\$679,200
Alternative No. 2 – Combination Fire/Booster Station	\$771,800
Alternative No. 3 – Upsize 6" Line from Grandview Tank to Summit View Road	\$496,300



## Beaver Creek Reservoir Spillway



5 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



6 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



7 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



8 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



9 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



10 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



11 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry

## Beaver Creek Reservoir Spillway



12 Funding Application for Two Water Improvement Projects March 12, 2019

Dewberry



## Beaver Creek Spillway Evaluation

- Alternative 1 – Surficial / Limited Improvements
- Alternative 2 – Structural / Geotechnical Improvements Only
- Alternative 3 – Drainage / Hydraulic Modifications Only
- Alternative 4 – Hybrid Improvements
- Alternative 5 – Full Replacement

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## Cost and Financial Considerations

### Summary of Total Project Cost

Description	Project Cost
Beaver Creek Spillway Total (Phase 1)	\$191,200
Beaver Creek Spillway Total (Phase 2)	\$1,751,100
Summit View Drive Waterline Replacement	\$496,300
Total Funded by City	(\$73,700)
Net to be Funded by VDH SRF	\$2,364,900

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## Cost and Financial Considerations

### Finance Summary

Terms of Loan	Estimated Values
Total Financed Amount	\$2,364,900
	Monthly = \$11,470
Estimated Payments Interest Rate = 1.5%, 20 years	Annual = \$137,638
	Monthly = \$9,421
Estimated Payment Interest Rate = 2.5%, 30 years	Annual = \$113,043

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## Schedule

### Key Milestones

Milestone	Start	Complete
SRF Application	3/13/2019	3/29/2019
Design	4/1/2019	1/1/2020
Construction – Beaver Creek Reservoir Spillway	3/15/2020	1/15/2021
Construction – Summit Waterline	4/15/2020	11/15/2020
Project Closeout and Loan Closure	2/15/2021	4/1/2021
Final Payment Due	10/1/2021	

16 | Funding Application for Two Water Improvement Projects March 12, 2019



Council Member Bowles made a motion to adopt the resolution supporting the seeking of funding from Virginia Department of Health; Vice Mayor Martin seconded the motion with the following roll call vote: Council Member Bowles, aye; Vice Mayor Martin, aye; Council Member Wood, aye; Council Member Turner, aye; and Mayor Lawson, aye.

*Council Members*  
Kathy Lawson, Mayor  
Chad Martin, Vice-Mayor  
Jennifer Bowles  
Danny Turner  
Jim Woods



*City Manager*  
Leon E. Towarnicki  
*City Attorney*  
Eric H. Monday  
*Clerk of Council*  
Karen Roberts

### RESOLUTION

#### AUTHORIZE FUNDING APPLICATION THROUGH VDH OFFICE OF DRINKING WATER

WHEREAS, the City of Martinsville intends to apply for funding for the Beaver Creek Reservoir Project due to the severely deteriorated state of the reservoir spillway and related elements; and

WHEREAS, the Virginia Department of Health-Office of Drinking Water has funding available through their Drinking Water State Revolving Fund; and

WHEREAS, the City of Martinsville has project planning material and found that the pre-requirements have been met for submitting a funding application;

THEREFORE, BE IT RESOLVED, that the City of Martinsville hereby voted to seek funding from the Virginia Department of Health-Office of Drinking Water for the following project;

**Beaver Creek Reservoir Rehabilitation and Water System Improvements \$2,500,000**

NOW THEREFORE, BE IT RESOLVED, that the City of Martinsville will immediately begin to process a funding application for this project and authorizes Leon Towarnicki, City Manager to execute any and all documents to accept such funding contingent upon review and concurrence by the City Attorney and City Council.

Motion by: \_\_\_\_\_ Seconded by: \_\_\_\_\_

Aye \_\_\_\_\_ Nay \_\_\_\_\_ Absent \_\_\_\_\_

This 12<sup>th</sup> day of March 2019

\_\_\_\_\_  
Kathy Lawson, Mayor

Attest:

\_\_\_\_\_  
Karen Roberts, Clerk of Council

March 12, 2019 Council Meeting

Council Member Bowles made a motion to authorize the City Manager to execute documents needed to accept funding contingent upon review by the City Attorney and Council; Vice Mayor Martin seconded the motion with the following roll call: Mayor Lawson, aye; Council Member Woods, aye; Council Member Bowles, aye; Vice Mayor Martin, aye; and Council Member Turner, aye.

Consider approval of consent agenda – Council Member Bowles made a motion to approve the consent agenda as presented; Council Member Turner seconded the motion with all members voting in favor. City Manager Towarnicki summarized the School Capital Projects Motion Bowles, Turner 2<sup>nd</sup> with all in favor.

BUDGET ADDITIONS FOR 3/12/19				
ORG	OBJECT	DESCRIPTION	DEBIT	CREDIT
<b>BUDGET ADDITIONS</b>				
<b>General Fund:</b>				
01102925	436142	Non-categorical Federal - US Marshalls OT Grant		922
01311085	501200	Police Dept - Overtime	922	
		Grant funding		
01100906	461624	Services - EMS Tuition		10,000
01100909	490146	Recovered Costs - EMS Instruction Reimbursement		5,000
01322105	501112	EMS - Instructor Stipend	6,000	
01322105	503159	EMS - Prof. Services - Instructors	1,500	
01322105	506144	EMS - Course Supplies	7,500	
		Revenues and expenses related to EMS training program.		
<b>Total General Fund:</b>			<b>15,922</b>	<b>15,922</b>

Business from the Floor – No one approached the podium

Comments by Members of City Council – Council Member Woods thanked Patrick Henry Elementary for inviting him to read to the students. Council Member Bowles also enjoyed reading to the students. Congratulations to the Chamber for another successful Fast Track event. Compliments to the Police Department for their fun, relatable Facebook posts. Bowles shared details about the Refuge Youth Ministries dinner on March 16, which is free and begins at 11am. There will be a Mission Possible event for teenagers in the community beginning at 6pm Thursday on Jones Street. Council Member Turner offered condolences to the family of Windy England, the last living Martinsville veteran who served in WWII and who stormed the beach in Normandy. Turner offered condolences to the family of Robert Lawrence who was a regular morning customer at the Martinsville McDonalds; Lawrence passed away in his sleep. Congratulates Andrew Palmer and the Lester Group for negotiating a deal with the chain restaurant Coaches which will be moving into the former Texas Steakhouse location. Vice Mayor Martin offered condolences to the Fitzgibbons family. Mayor Lawson thanked Council Member Turner for his efforts in working with the Lester group to bring Coach's restaurant to the City. Lawson congratulated the NCI Robotics team for their first place win and congratulated the five Martinsville Teachers of the Year. Lawson read to students at Albert Harris and Clearview and thoroughly enjoyed that. Lawson participated in the Black History Arts Awards at the Boys and Girls Club. Congratulations Deputy Police Chief Rob Fincher for graduating Virginia Association of Chiefs of Police and Foundations Professional Executive Leadership School.

March 12, 2019 Council Meeting

There being no further business, Council Member Bowles made a motion to adjourn the meeting; the motion was seconded by Vice Mayor Martin with all Council Members voting in favor. The meeting adjourned at 8:50pm.

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Karen Roberts  
Clerk of Council

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Kathy Lawson  
Mayor